

Work Order ID 128517

128517

Page 1

Friday, January 16, 2015 2:51:02 PM

Item ID: D4364-1 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: Plate
Start Date: 1/16/15 Start Qty: 4.00 *4* Cust Item ID:
Required Date: 1/16/15 Req'd Qty: 4.00 *4* Customer:
Reference:

Approvals: Process Plan: MLS Date: 15-01-20 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
Run Start *NR1*
Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4364	B								
100		0.00							
100									
Waterjet	Memo	0.00							
FLOW CNC Waterjet	1-Cut as per Dwg (D4364-1)								
	Dwg Rev: <u>6</u>								
	Prog Rev: <u>1</u>								
	2-Deburr if necessary								
110	QC2- Inspect parts off machine FAI/FAIB	0.00							
110									
QC	Memo	0.00							
Quality Control									

(4) 15/01/21

(4) 15/01/21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____ _____
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Work Order ID 128517***128517***

Page 2

Friday, January 16, 2015 2:51:02 PM

Item ID: D4364-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Plate

Start Date: 1/16/15

Start Qty: 4.00

4

Cust Item ID:

Required Date: 1/16/15

Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC8- Inspect parts - second check

0.00

120

QC

Memo

0.00

Quality Control

DAS
38
9-89

JAN 23 2015

130

Form as per dwg

0.00

130

Brake NC

Memo

0.00

Brake NC

*** Jigs DT8261 and DT8326.***

DAS
30
9-89

4

15/01/28

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.00

Quality Control

DAS
38
9-89

JAN 28 2015

DQA: _____ Date: _____



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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 128517***128517***

Page 3

Friday, January 16, 2015 2:51:02 PM

Item ID: D4364-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Plate

Start Date: 1/16/15

Start Qty: 4.00

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Cust Item ID:

Required Date: 1/16/15

Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

200

Identify as per dwg & Stock Location: WA002

0.00

200

Packaging

Memo

0.00

Packaging

4 15-03-23 MAZ

210

QC21- Final Inspection - Work Order Release

0.00

210

QC

Memo

0.00

Quality Control

MLS 1503-23MLS 1503-23

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Picklist Print

Friday, January 16, 2015 2:51:01 PM

Page 1

Work Order ID: 128517

128517

Parent Item: D4364-1

D4364-1

Parent Item Name: Plate

Start Date: 1/16/15

Required Date: 1/16/15

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 14.04.22 DWG B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S18GA		Purchased		No			sf	330.3509		11.28421			

M304S18GA

304/316 .050 Sheet

2/15/01/21

Location	Loc Qty	Loc Code
MAT020	330.3509	
124572	23	
125552	22	
M126647	24.6112	
M128254	17.8223	
M128435	27	
M128864	33	
M129530	55	
M130345	38	
M130923	89.9174	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

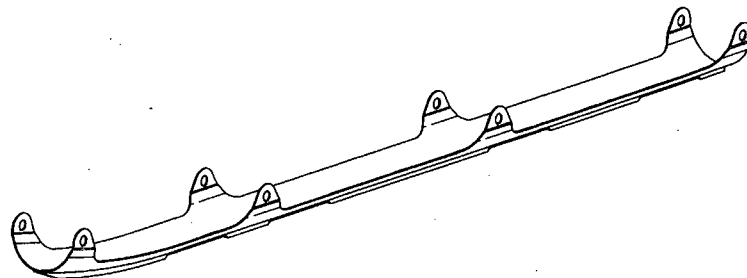
Work Order update only ☐

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Large Fab ☐	Composite ☐	Supplier ☐																

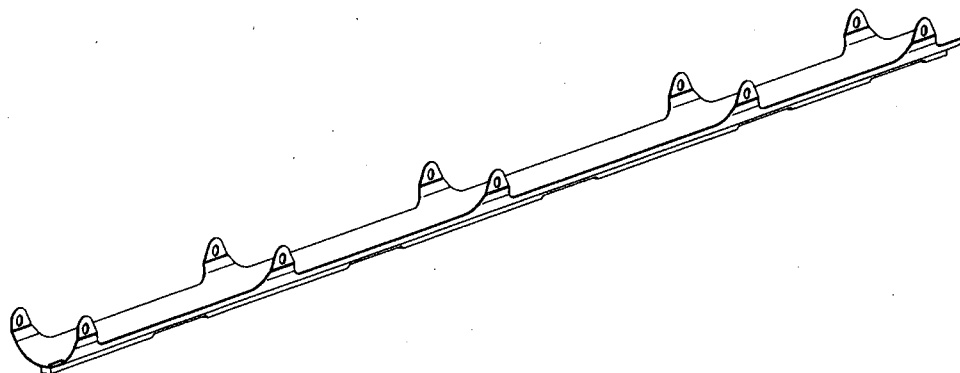
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Transport									
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FAULT CATEGORY

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D4364-041 FWD WEARPLATE ASSY



D4364-043 AFT WEARPLATE ASSY

ITEM	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
	X		D4364-041	FWD WEARPLATE ASSY
		X	D4364-043	AFT WEARPLATE ASSY
1	1		D4364-1	PLATE
2		1	D4364-3	PLATE
3	1		D4365-1	BAR
4		1	D4365-3	BAR
5	A/R	A/R	2059B	HARDCOAT
6	A/R	A/R	TEXTURED COATING	SEALANT

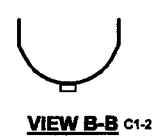
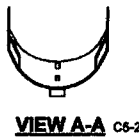
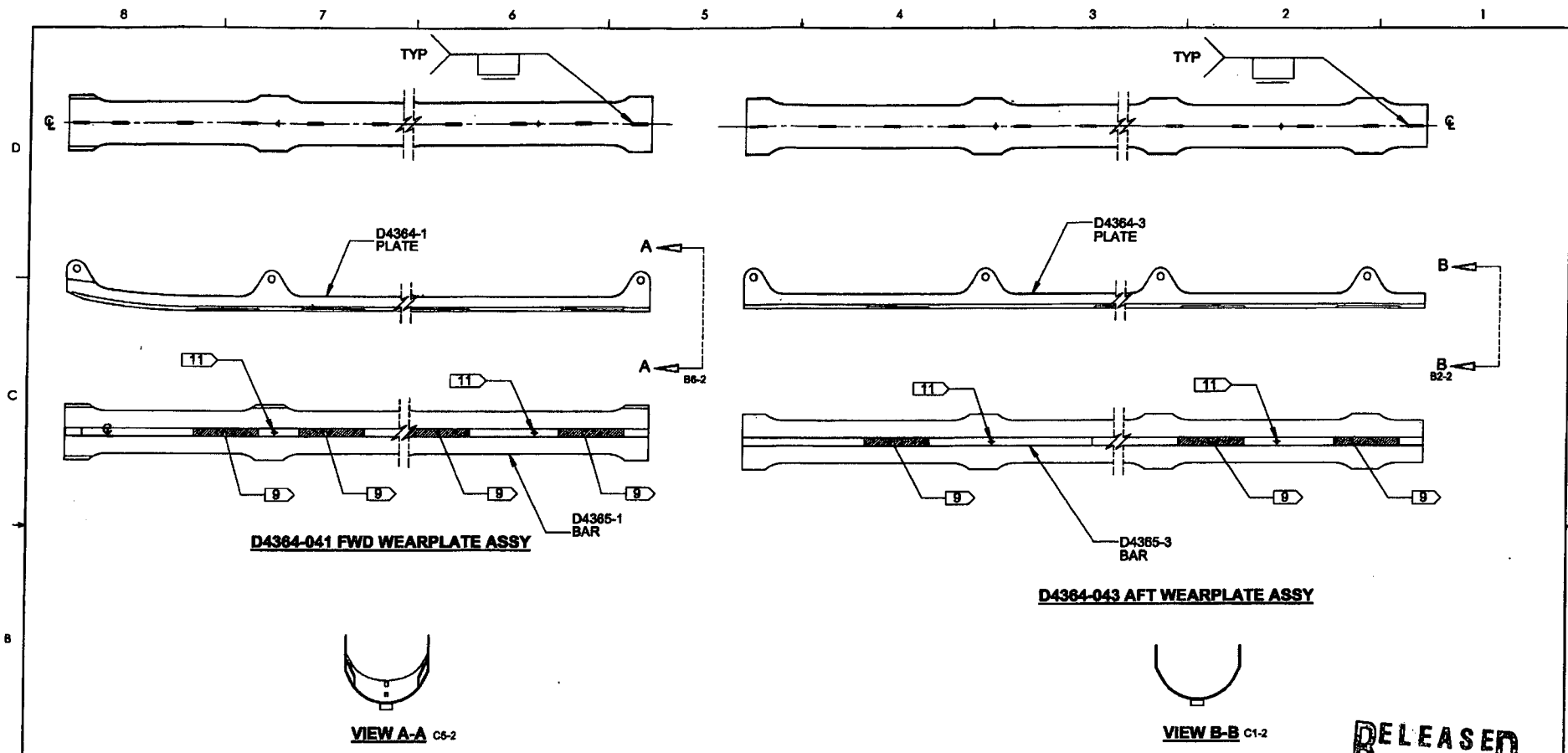
△B

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
NO. 128517 MJS

15-01-20

RELEASED
2014-04-17
MD

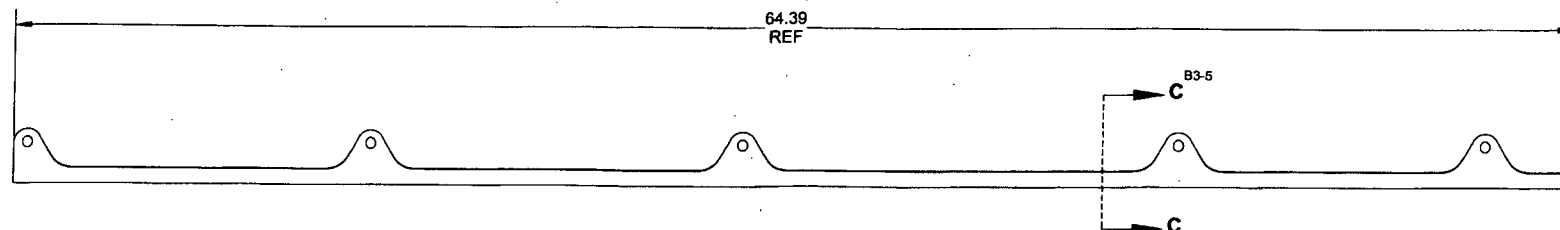
B	TEXTURED COATING WAS ROCKGUARD 4714 (BOM TABLE), CHANGE NOTE 10 (SH 2)	DB	13.11.04
A	NEW ISSUE	SC	11.06.14
REV.	DESCRIPTION	BY	DATE
DESIGN	SC/	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	DB/		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4364	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	13.11.04	COPYRIGHT © 2011 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



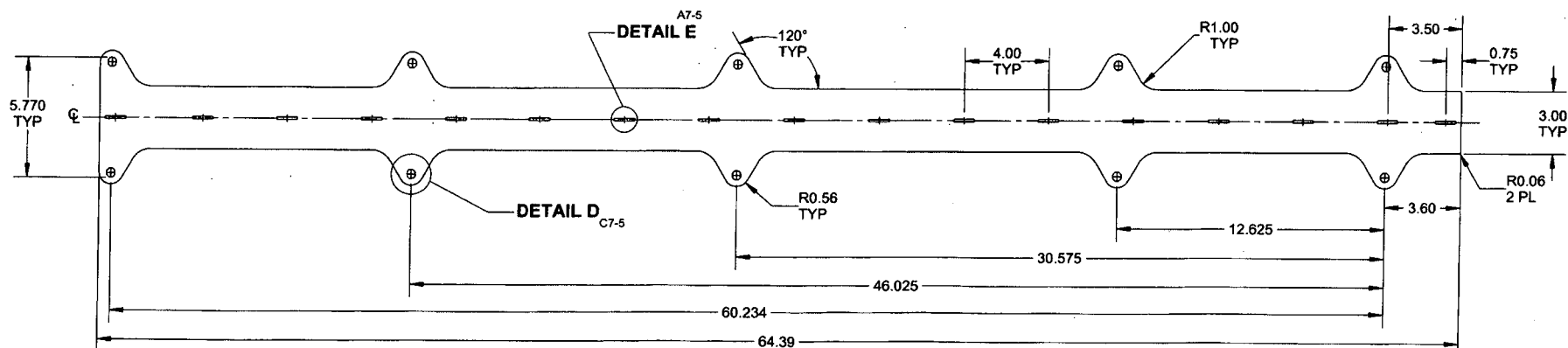
RELEASED
2014-04-17

- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4364-04X" PER QSI 044 6.1
 - 7) WEIGHT: D4364-041 = 4.03 lbs; D4364-043 = 5.88 lbs
 - 8) WELDING: PER QSI 004
 - 9) 2059B HARDCOAT WELD, 0.18 THICK X 0.60 WIDE, FLUSH WITH D4365-X BAR ON ALL 3 SURFACES
 - 10) COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020 - 0.040 THICK, PER DART QSI 005 4.9.
 - 11) TRANSFER DRILL $\varnothing 0.188$ HOLES FROM D4365-X BAR TO D4364-X WEARPLATE AFTER WELDING

DESIGN	SC	DART AEROSPACE USA, INC.	
DRAWN	DB	PORT HADLOCK, WA	
CHECKED	JS	DRAWING NO.	REV. B
MFG. APPR.	NS	D4364	SHEET 2 OF 6
APPROVED	JS	TITLE	SCALE
DE APPR.	JS	WEARPLATE ASSY	NTS
DATE	13.11.04	COPYRIGHT © 2011 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



D4364-3 PLATE
(MAKE FROM D4364-3F)

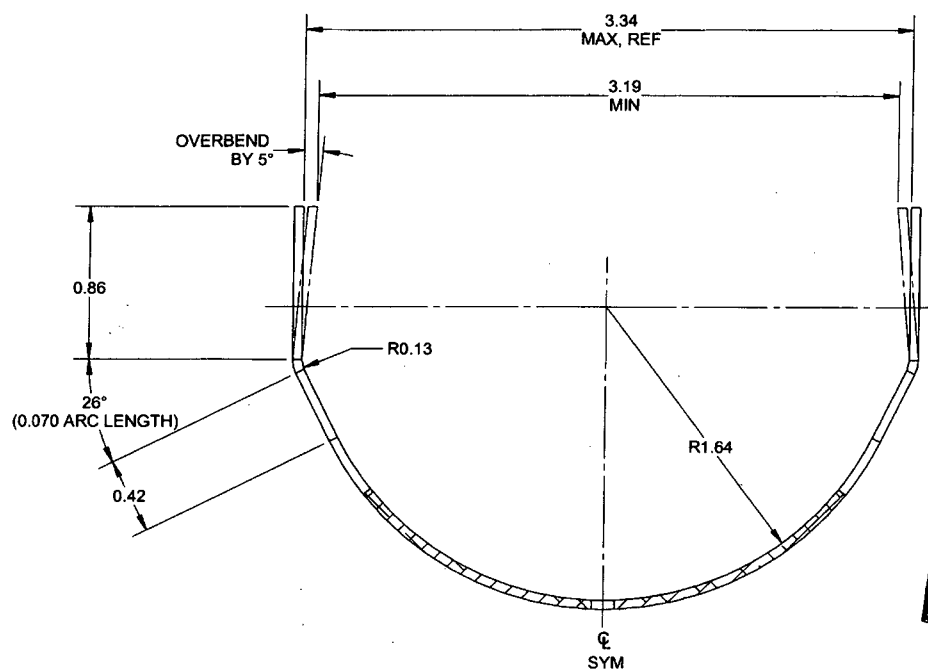
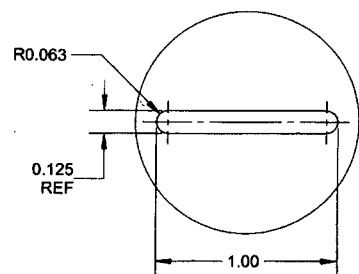
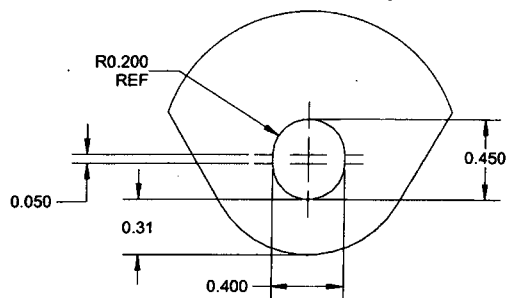


D4364-3F PLATE

RELEASED
2014-04-17

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524 OR ASTM A240 OR ASME SA240 18 GAUGE (0.050 THICK), REF. DART SPEC. M304S18GA
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 3.10 lbs

DESIGN	SC	DART AEROSPACE USA, INC.	
DRAWN	DB	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4364	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
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RELEASED
2014-04-17
ND

DESIGN	SC	DART AEROSPACE USA, INC.	
DRAWN	DB	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4364	SHEET 5 OF 5
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
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